

Microbiology (Reference)

***Actinomyces* spp. Culture Isolation/ Identification (see Bacterial Culture, Anaerobic)**

Anthrax (see *Bacillus anthracis*)

Antimicrobial Resistant Bacteria Confirmation

Specimen Requirements: Isolate submitted in Cary-Blair transport or on solid media.

Submit any isolate that demonstrates a resistance pattern that has high epidemiologic significance, such as potential Vancomycin Resistant or Intermediate *Staphylococcus aureus*, Methicillin Resistant *Staphylococcus aureus*, Vancomycin Resistant Enterococci, ESBL producing *Enterobacteriaceae*, KPC, and resistant *S. pneumoniae*.

Turn Around Time: 2 to 4 working days. May be referred to the Centers for Disease Control in Atlanta, Georgia.

CPT Code: None

Price: Fee Waived

Transport Temperature: Ambient

Autoclave Monitoring

Specimen Requirements: BT Sure vials containing *Bacillus stearothermophilus* are obtained by contacting the laboratory. Place the BT Sure vial in center of load to be sterilized, then autoclave using normal procedures.

Turn Around Time: 2 working days from receipt of specimen

CPT Code: No code

Price: \$20.50

Transport Temperature: Ambient

***Bacillus anthracis* Culture Isolation/ Identification/Rapid Test Methods**

Specimen Requirements: Lesion swab, clinical specimen or culture isolate on solid media or in Cary-Blair transport. Call laboratory for special instructions regarding environmental samples and rapid testing options.

A suspect *B. anthracis* culture requires Infectious Disease packaging (Class 6.2) and trackable shipping. Please notify the laboratory by telephone at time of shipment.

Turn Around Time: Cultures will be held for 3 working days before reporting as negative. Results are telephoned as soon as possible to the submitter. Rapid test methods are performed in Molecular Diagnostics and are available within 6 - 8 hours of specimen receipt.

CPT Code: 87081 (Culture screen)

Price: \$ 32.75

87798 (PCR)

Price: Fee Waived

Transport Temperature: Ambient

Bacterial Culture Identification, Aerobic

Specimen Requirements: Send non-fastidious Gram negative or Gram positive isolates on solid media or on swab in Cary-Blair transport. Fastidious or slow growing organisms require careful transport on an enriched agar medium. Please contact the laboratory prior to submission regarding transport instructions for unusual organisms.

Turn Around Time: Normally 3 to 14 working days, depending on the growth rate of the isolate.

CPT Code: 87070 (culture, presumptive ID)

Price: \$21.00

87077 (Each add'l ID)
Price: \$18.25

Transport Temperature: Ambient

Bacterial Culture Identification, Anaerobic

Specimen Requirements: Send isolate in an anaerobic transport system.

Turn Around Time: Normally 3 to 14 working days, depending on the growth rate of the isolate.

CPT Code: 87075 (culture, presumptive ID)
Price: \$21.00

87076 (Each add'l ID)
Price: 21.00

Transport Temperature: Ambient

***Bartonella* spp. (formerly *Rochalimaea* spp.) Culture Isolation/ Identification**

Specimen Requirements: Collect blood in EDTA tube; freeze blood or tissue prior to transport. Send specimen on dry ice.

Turn Around Time: Negative cultures are monitored for 14 days; positive culture results are telephoned to the submitter.

CPT Code: 87081 (Culture ID)
Price: \$32.75

Transport Temperature: Ambient

***Bordetella pertussis* Culture Isolation/Identification**

Specimen Requirements: Nasopharyngeal (NP) swab in Regan-Lowe transport. Remove the transport medium from the refrigerator and warm to room temperature. Collect specimen. Insert the swab into the transport, cut or break off the end of the swab so that the cap can be tightened securely. Put the transport in the zip-lock bag provided. Do not refrigerate transport medium after it has been inoculated. Regan-Lowe is the only transport media acceptable for pertussis cultures.

Turn Around Time: Negative cultures are monitored for 7 days. Positive culture results may take 3-7 working days and are telephoned to the submitter.

CPT Code: 87081 (Culture screen)
Price: \$32.75

87077 (Each add'l ID)
Price: \$18.25

Transport Temperature: Ambient

***Borrelia burgdorferi* Culture**

Specimen Requirements: Skin punch biopsy, synovial fluid, CSF. Contact the laboratory prior to collection for special instructions and transport media.

Referred to the Centers for Disease Control, Fort Collins, Colorado
Turn Around Time: 4 to 6 weeks

CPT Code: 87081
Price: \$25.00

Transport Temperature: Ambient

***Brucella* spp. Culture Isolation/ Identification/Rapid Test Methods**

Specimen Requirements: Blood, bone marrow, or tissue submitted in sterile saline or broth. Submit suspect culture

isolates on solid medium. Call the laboratory for special instructions regarding environmental samples and rapid testing options.

A suspect *Brucella spp.* culture requires Infectious Disease packaging (Class 6.2) and trackable shipping. Please notify the laboratory by telephone at time of shipment.

Turn Around Time: Cultures will be held for 2 weeks before reporting as negative. Results are telephoned as soon as possible to the submitter. Rapid test methods are performed in Molecular Diagnostics and are available within 6 - 8 hours of specimen receipt.

CPT Code: 87081 (Culture screen)
Price: \$32.75

87798 (PCR)
Price: Fee Waived

Transport Temperature: Ambient

***Burkholderia mallei*, *B. pseudomallei* Culture Isolation / ID / Rapid Test Methods**

Specimen Requirements: Clinical specimen in sterile container or isolate submitted in Cary-Blair transport or on solid medium. Call laboratory for special instructions regarding environmental samples and rapid testing options.

A suspect *Burkholderia mallei* or *B. pseudomallei* culture requires Infectious Disease packaging (Class 6.2) and trackable shipping. Please notify the laboratory by telephone at time of shipment.

Turn Around Time: Cultures will be held for 2 weeks before reporting as negative. Results are telephoned as soon as possible to the submitter. Rapid test methods are performed in Molecular Diagnostics and are available within 6 - 8 hours of specimen receipt.

CPT Code: 87081 (Culture screen)
Price: \$32.75
87798 (PCR)
Price: Fee Waived

Transport Temperature: Ambient

Chancroid (see *Haemophilus ducreyi*)

***Clostridium difficile* Toxin A & B and Antigen Test by EIA**

Specimen Requirements: Submit at least one milliliter of raw stool in a sterile container. Freeze the specimen.

Turn Around Time: 1 to 2 working days. Positive test results are telephoned to the submitter.

CPT Code: 87324
Price: \$26.75

Transport Temperature: 2-8°C

***Clostridium spp.* (except *C. botulinum*) Culture Isolation/ ID (see Bacterial Culture, Anaerobic)**

***Corynebacterium diphtheriae* Culture Isolation/ Identification**

Specimen Requirements: Throat swab in silica gel or Cary Blair transport medium, or isolate in Cary Blair transport or solid media.

Turn Around Time: 4 to 7 working days. Positive results are telephoned to the submitter.

NOTE: Please call ahead to notify the laboratory, as special media needs to be prepared prior to receipt.

CPT Code: 87081 (Culture screen)

Price: \$32.75

Transport Temperature: Ambient

***Corynebacterium* spp. (not *C. diphtheriae*) Culture Isolation/ ID (see Bacterial Culture, Aerobic)**

Culture for Storage

Specimen Requirements: Isolate submitted in Cary-Blair transport or on solid media.

Submit organisms that are of epidemiologic interest and need to be stored for molecular comparison to other strains. Laboratories are encouraged to submit organisms which may be part of an outbreak or which demonstrate a significant antibiotic resistance, i.e. *Salmonella* spp., *E. coli* O157, Toxigenic *E. coli*, *Shigella* spp., *N. gonorrhoeae*, *N. meningitidis* from a sterile site, *H. influenzae* from a sterile site, resistant *Streptococcus pneumoniae*, MRSA, VRE, ESBL, KPC, potential VISA or VRSA.

CPT Code: None

Price: Fee Waived

Transport Temperature: Ambient

Diphtheria (see *Corynebacterium diphtheriae*)

ESBL (see Antimicrobial Resistant Bacteria Confirmation)

***Francisella tularensis* Culture Isolation/ Identification/Rapid Test Methods**

Specimen Requirements: Clinical specimen in sterile container or pure culture submitted in Carey-Blair transport or on solid medium. Call laboratory for special instructions regarding environmental samples and rapid testing options.

A suspect *F. tularensis* culture requires Infectious Disease packaging (Class 6.2) and trackable shipping. Please notify the laboratory by telephone at time of shipment.

Turn Around Time: Cultures will be held for 2 weeks before reporting as negative. Results are telephoned as soon as possible to the submitter. Rapid test methods are performed in Molecular Diagnostics and are available within 6 - 8 hours of specimen receipt.

CPT Code: 87081 (Culture screen)

Price: \$32.75

87798 (PCR)

Price: Fee Waived

Transport Temperature: Ambient

***Gardnerella vaginalis* Culture Isolation/ Identification (see Bacterial Culture, Aerobic)**

Gonococcal Infections (see *Neisseria gonorrhoeae*)

Group A *Streptococcus* Screen (see *Streptococcus* Screen for Group A)

***Haemophilus ducreyi* Culture Isolation/ Identification**

Specimen Requirements: Saline or broth moistened swab from the base and undetermined margins of the chancroid lesion, smeared and sent on chocolate plate or placed in Cary-Blair transport.

Turn Around Time: Negative cultures are monitored for 14 days. Positive culture results are telephoned to the submitter.

CPT Code: 87081 (Culture screen)

Price: \$32.75

Transport Temperature: Ambient

***Haemophilus influenzae* Culture Isolation/ Identification**

Specimen Requirements: Primary specimen or isolate on MTM or chocolate media.

Turn Around Time: 2 to 4 working days. Positive *H. influenzae* results from sterile sites are telephoned to the submitter.

NOTE: Serogrouping is routinely performed on *H. influenzae* isolates from sterile body sites such as blood or cerebral spinal fluid. Please submit all *H. influenzae* isolates from sterile body sites to the laboratory for serogrouping and storage for future epidemiologic purposes.

CPT Code: 87081 (culture)

Price: \$32.75

87185 (beta lactamase)

Price: \$6.30

Transport Temperature: Ambient

***Haemophilus spp.* Culture Isolation/ Identification (see Bacterial Culture, Aerobic)**

KPC (*K. pneumoniae* Carbapenemase) (see Antimicrobial Resistant Bacteria Confirmation)

***Legionella spp.* Culture Isolation/ Identification**

Specimen Requirements: Submit fresh or frozen lung tissue, pleural fluid, bronchial washings, trans-tracheal aspirates, chest drainage, BAL, or sputum. Put a minimum of 1 mL specimen in a sterile, leak-proof container, and transport on ice in an insulated container.

Turn Around Time: DFA test performed each working day. Positive test results are telephoned to the submitter. Cultures are monitored for 14 working days before reporting as negative.

NOTE: Both a DFA test and culture is performed on each primary specimen received.

CPT Code: 87081 (Culture screen)

Price: \$32.75

87278 (DFA)

Price: \$24.25

87077 (Each add'l ID)

Price: \$18.25

Transport Temperature: 2-8°C

***Legionella pneumophila* Groups 1-6 Direct Detection by Immunofluorescence**

Specimen Requirements: Nasopharyngeal (NP) or Throat swab smeared on microscope slide, or primary specimen as above.

Turn Around Time: Performed each working day. Positive results are telephoned to the submitter.

CPT Code: 87278

Price: \$24.25

Transport Temperature: Ambient

***Listeria* Culture Isolation/ Identification (see Bacterial Culture, Aerobic)**

Lyme Disease Culture (see *Borrelia burgdorferi* culture)

Modified Acid Fast Stain

Specimen Requirements: Send specimens in sterile container. Add sterile saline or broth to tissues or other non-liquid

specimens. Send isolates on LJ medium.

Turn Around Time: 1 to 2 working days. Positive results will be called to the submitter.

CPT Codes: 87206 (smear)

Price: \$14.50

Transport Temperature: Ambient

MRSA (see Antimicrobial Resistant Bacteria Confirmation)

Meningococcal Infection (see *Neisseria meningitidis* Culture)

Methicillin Resistant *Staphylococcus aureus* (MRSA) (see Antimicrobial Resistant Bacteria Confirmation)

***Neisseria gonorrhoeae* Culture Isolation/ Identification**

Specimen Requirements: Primary culture or isolate on MTM or chocolate media; identification performed by Nucleic Acid Probe.

Turn Around Time: 2 to 3 working days. Positive results are telephoned to the submitter.

NOTE: For public health surveillance, please submit all *N. gonorrhoeae* isolates to the laboratory. This is at no cost to the submitter (See Culture for Storage).

CPT Code: 87081 (Culture screen)

Price: \$32.75

87590 (ID)

Price: \$29.50

87185 (beta lactamase)

Price: \$6.30

Transport Temperature: Ambient

***Neisseria* spp. (including *N. meningitidis*) Culture Isolation /Identification/Typing**

Specimen Requirements: Primary specimen or isolate on MTM or chocolate media

Turn Around Time: 2 to 4 working days. Positive *N. meningitidis* results are telephoned to the submitter.

NOTE: Serogrouping is routinely performed on *N. meningitidis* isolates from sterile body sites such as blood or cerebral spinal fluid. Please submit all *N. meningitidis* isolates from sterile body sites to the laboratory for serogrouping and storage for future epidemiologic purposes.

CPT Code: 87081 (Culture screen)

Price: \$32.75

87185 (beta lactamase)

Price: \$6.30

Transport Temperature: Ambient

***Pasteurella* spp. Culture Isolation/ Identification (see Bacterial Culture, Aerobic)**

Pertussis (see *Bordetella pertussis*)

Plague (see *Yersinia pestis*)

Pneumococcal Infection (see *Streptococcus pneumoniae*)

***Pseudomonas* spp. Culture Isolation/ Identification (see Bacterial Culture, Aerobic)**

***Rochalimea* spp. Culture Isolation/ Identification (see *Bartonella* spp. Culture)**

***Staphylococcus* spp. Culture Isolation/ Identification (see Bacterial Culture, Aerobic)**

***Streptococcus pneumoniae* Culture Isolation/ ID (see Bacterial Culture, Aerobic)**

***Streptococcus* Group A Screen, Culture Method**

Specimen Requirements: Throat swab in silica gel

Turn Around Time: Cultures are monitored for 2 working days prior to reporting as negative. Positive results are telephoned to the submitter

CPT Code: 87081 (Culture screen)

Price: \$32.75

Transport Temperature: Ambient

***Streptococcus* spp. Culture Isolation/ Identification (see Bacterial Culture, Aerobic)**

Tularemia Culture (See *Francisella tularensis* culture)

Vancomycin Resistant Enterococci (VRE) (See Antimicrobial Resistant Bacteria Confirmation)

VRE (see Antimicrobial Resistant Bacteria Confirmation)

***Yersinia pestis* Culture Isolation/ Identification/Rapid Test Methods**

Specimen Requirements: Isolate submitted on solid medium or tissue transported cold in sterile saline. Call the laboratory for special instructions regarding environmental samples and rapid test methods.

A suspect *Y. pestis* culture requires Infectious Disease packaging (Class 6.2) and trackable shipping. Please notify the laboratory by telephone at time of shipment.

Turn Around Time: Cultures will be held for 7 to 10 days before reporting as negative. Results are telephoned as soon as possible to the submitter. Rapid test methods are performed in Molecular Diagnostics and are available within 6 - 8 hours of specimen receipt.

CPT Code: 87081 (Culture screen)

Price: \$32.75

87798 (PCR)

Price: Fee Waived

Transport Temperature: 2-8°C for tissue, ambient for isolates